



PATENT  
Docket No. 00403,CN1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Timothy E. Benson et al. ) Group Art Unit: unknown  
Serial No.: 10/028,224 ) Examiner: unknown  
Confirmation No.: unknown )  
Filed: December 21, 2001 )  
For: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF  
GLYCOSYLATED HUMAN BETA SECRETASE, AN ENZYME  
IMPLICATED IN ALZHEIMER'S DISEASE

#10/C  
Plunkett  
9/11/02

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington D.C. 20231

Sir:

Prior to taking up the above-identified patent application for examination, please enter the following amendments.

In The Specification

Please replace the paragraph at page 27, line 25 to page 28, line 11, with the following rewritten paragraph. Per 37 C.F.R §1.121, this paragraph is also shown in Appendix A, page A1, with notations to indicate the changes made.

C1  
Thus, this method involves generating a preliminary model of a molecule or molecular complex whose structure coordinates are unknown, by orienting and positioning the relevant portion of human beta secretase or the human beta secretase/inhibitor complex within the unit cell of the crystal of the unknown molecule or molecular complex so as best to account for the observed x-ray diffraction pattern of the crystal of the molecule or molecular complex whose structure is unknown. Phases can then be calculated from this model and combined with the observed x-ray diffraction pattern amplitudes to generate an